

WHAT IS CLAIMED IS:

1. A cylinder holder for an injection apparatus adapted for holding a syringe barrel, comprising:

5 a flange insertion groove adapted to fix the syringe barrel by holding a flange on said syringe barrel; and

a positioning mechanism installed in the cylinder holder; the positioning mechanism adapted to engage a concave portion provided on the syringe barrel.

2. A cylinder holder according to claim 1, wherein the positioning mechanism is a latch pushed by a coil spring.

10 3. A cylinder holder according to claim 1, wherein the positioning mechanism is a blade spring having a pawl.

4. A cylinder holder according to claim 1, wherein the cylinder holder is provided directly on the injection apparatus.

15 5. A cylinder holder according to claim 1, wherein the cylinder holder is an adapter to which the syringe barrel can be mounted when the adapter is set in the injection apparatus.